

Notice of Allowability	Application No.	Applicant(s)	
	10/673,842	SCOTT, JOHN CHARLES	
	Examiner	Art Unit	
	CHAMELI C DAS	2122	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the remarks and preliminary amendment filed on 9/29/03.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ The drawings filed on 29 September 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>1/4/05</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

1. This is a continuation of the application number 09/732,392, filed on 12/7/2000.
2. This action is in response to the remarks and preliminary amendment filed on 9/29/2003.
3. Claims 1-9 have been amended.
4. Claim 10 has been added.
5. Claims 1-10 have been allowed.

EXAMINER'S AMENDMENT

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Anderson, Attorney for the Applicant on 1/4/05.

The application has been amended as follows:

In the specification, the abstract has been replaced by the following abstract.

-- An update management system provides access to software updates (patches and upgrades) and to an update catalog server. The catalog server includes a chronology generator. When a request for an update family tree for a target update is received, the chronology generator accesses an index to find the database and record number for the target update. The record is retrieved, indicating updates superseded by the target update and updates superseding the target update. Records for the superseded and superseding updates are, in turn, retrieved. The process is iterated until there are no further superseding and no superseded updates

indicated. The succession relations indicated in the retrieved records are arranged into a family tree for the target patch. The family tree can be used (along with dependency data) to help determine an update for a given workstation that optimizes performance and compatibility. --

REASON FOR ALLOWANCE

7. The following is an examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, an update chronology generator for generating an update chronology for a target update by accessing the records for said target update and each update indicated by the record for said target update as being directly superceded by said target update, as recited in the independent claims 1, 6 and 10.

In the closest prior art Draper (US 6,192,365) discloses a software update management system; a hybrid approach uses state comparison to generate an update stream that is then applied incrementally; an update log is a chronological record of operations on the database replica.

Draper does not disclose an update chronology generator for generating an update chronology for a target update by accessing the records for target update and each update indicated by the record for the target update as being directly superceded by the target update, as recited in the independent claims.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

TITLE: Automatic computer upgrading, US 5960189 A

TITLE: Software version management system, US 4558413 A

TITLE: Transaction log management in a disconnectable computer and network, US 6192365 B1

TITLE: Method and apparatus for producing instructions describing the removal of updates to a computer system, US 6367075 B1.

TITLE: System and method for integrating a plurality of disparate database utilities into a single graphical user interface, US 6523035 B1

TITLE: Computer-based method and system for product development, US 5208765

TITLE: System and method for restructuring a B-Tree, US 5430869 A

TITLE: Dynamic software version auditor which monitors a process to provide a list of objects that are accessed, US 5574898 A.

TITLE: Access methods for multiversion data, author: Lomet et al, 1989, ACM.

TITLE: Version Modeling Concepts for Computer-Aided Design Databases, author: Kotz et al, ACM, 1986.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 571-272-3696.

The examiner can normally be reached on Monday-Friday from 6:30 A.M. to 3:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor Tuan Dam can be reached at 571-272-3695. The fax number for this group

are:

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(703) 746-7239 (official fax), (703) 746-7240 (non-official/draft), (703) 746 -7238 (after final).

An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 703-305-9600.

Chameli C. Das
CHAMELI C. DAS
PRIMARY EXAMINER

1/4/05